

# AN IMPROVED DEPTH ROD ADJUSTMENT MECHANISM FOR A PLUNGE-TYPE ROUTER

## Abstract of the Disclosure

4 A plunge-type router is disclosed which is useful for either freehand or  
5 router table mounted operation. The router has a base and a motor housing assembly  
6 with the base being adjustable relative to the motor housing assembly and operates in a  
7 conventional plunge router operation, but has an depth rod adjusting and measuring  
8 mechanism that includes an electronic measuring system with a digital display and  
9 control functionality that enables a user to accurately measure the position of a depth rod  
10 and thereby accurately set a depth of cut value which is displayed on a digital readout.

11                   Alternate embodiments include a motorized depth adjusting mechanism to  
12   adjust the depth rod position and thereby adjust the depth of cut of the router during  
13   operation.

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